

Customer No. 25280

Case No. 2992B

CLAIM AMENDMENTS

Claims 1-43 (Cancelled)

44. (Currently amended) A process for chemically modifying a hydrolyzable polymer-containing textile article to improve resistance to pilling by:

(a) Applying an effective amount of a branched chain amine to the surface of the article, wherein the branched chain amine is selected from the group consisting of aliphatic amines, alkyl amines, and aliphatic substituted cyclic amines, and wherein the amine contains between 8 and 14 carbon atoms;

(b) Heating the article; and

(c) Optionally, dyeing the article.

Claims 45 and 46 (Cancelled)

47. (Currently amended) The process of claim 46 44, wherein the amine is a polyamine.

48. (Currently amended) The process of claim 46 44, wherein the amine is a diamine.

49. (Currently amended) The process of claim 46 44, wherein the alkyl amine is selected from the group consisting of Isodecyloxypropyl-1, 3-diaminopropane, Isododecyloxypropyl-1,3-diaminopropane and Isotridecyloxypropyl-1,3-diaminopropane.

50. (Original) The process of claim 44, wherein the amount of amine is between about 0.05 and about 5.0 weight percent on weight of the article.

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51. (Original) The process of claim 44, wherein the amount of amine is between about 0.1 and about 1.0 weight percent on weight of the article.
52. (Original) The process of claim 44, wherein the amount of amine is between about 0.2 and about 0.7 weight percent on weight of the article.
53. (Original) The process of claim 44, wherein the amine is applied uniformly to the surface of the article.
54. (Original) The product of the process of claim 44.

Claims 55-59 (Cancelled)

60. (Currently amended) A process for chemically modifying a hydrolyzable polymer-containing textile article to improve resistance to pilling by:
- (a) Applying an effective amount of a branched chain amine to the surface of the article, wherein the branched chain amine is selected from the group consisting of aliphatic amines, alkyl amines, and aliphatic substituted cyclic amines, and wherein the amine contains between 8 and 14 carbon atoms;
 - (b) Heating the article to a temperature between about 200 and 300 degrees F;
 - (c) Maintaining the temperature from between about 5 and 60 minutes;
 - (d) Cooling the article to a temperature between about 120 and 180 degrees F;
 - (e) Rinsing the article with water and an acidic solution; and
 - (f) Optionally, dyeing the article.

Claims 61 and 62 (Cancelled)

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63. (Currently amended) The process of claim ~~62~~ 60, wherein the amine is a polyamine.
64. (Currently amended) The process of claim ~~62~~ 60, wherein the amine is a diamine.
65. (Currently amended) The process of claim ~~62~~ 60, wherein the alkyl amine is selected from the group consisting of Isodecyloxypropyl-1,3-diaminopropane, Isododecyloxypropyl-1,3-diaminopropane and Isotridecyloxypropyl-1,3-diaminopropane.
66. (Original) The process of claim 60 wherein the amount of amine is between about 0.05 and about 5.0 weight percent on weight of the article.
67. (Original) The process of claim 60, wherein the amount of amine is between about 0.2 and about 0.7 weight percent of the article.
68. (Original) The process of claim 60, wherein the amount of amine is between about 0.2 and about 0.7 weight percent of the article.
69. (Original) The process of claim 60, wherein the amine is applied uniformly to the surface of the article.
70. (Original) The product of the process of claim 60.

Claims 71-75 (Cancelled)

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76. (Currently Amended) A process for chemically modifying a hydrolizable polymer-containing textile article to improve the resistance to pilling comprised of the steps of:

- (a) Applying an effective amount of a branched chain amine to the surface of the article, wherein the branched chain amine is selected from the group consisting of aliphatic amines, alkyl amines, and aliphatic substituted cyclic amines, and wherein the amine contains between 8 and 14 carbon atoms;
- (b) Heating the article to a temperature between about 200 and 425 degrees F;
- (c) Maintaining the temperature from between about 1 and 60 minutes;
- (d) Optionally, rinsing the article with water; and
- (e) Optionally, dyeing the article.

Claims 77 and 78 (Cancelled)

79. (Currently amended) The process of claim ~~78~~ 76, wherein the amine is a polyamine.

80. (Currently amended) The process of claim ~~78~~ 76, wherein the amine is diamine.

81. (Currently amended) The process of claim ~~78~~ 76, wherein the alkyl amine is selected from the group consisting of Isodecyloxypropyl-1,3-diaminopropane, Isododecyloxypropyl-1,3-diaminopropane and Isotridecyloxypropyl-1,3-diaminopropane.

82. (Original) The process of claim 76, wherein the amount of amine is between about 0.05 and about 5.0 weight percent on weight of the article.

83. (Original) The process of claim 76, wherein the amount of amine is between about 0.1 and about 1.0 weight percent on weight of the article.

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84. (Original) The process of claim 76, wherein the amount of amine is between about 0.2 and about 0.7 weight percent of the article.

85. (Original) The process of claim 76, wherein the amine is uniformly applied to the surface of the article.

86. (Original) The product of the process of claim 76.

Claims 87-109 (Cancelled)